HYDROGEOLOGY OF THE WAVERLY–SAYRE AREA IN TIOGA AND CHEMUNG COUNTIES, NEW YORK AND BRADFORD COUNTY, PENNSYLVANIA

Base from U.S. Geological Survey 1:24,000 Series: Waverly, NY-PA (1978);

Barton, NY-PA (1976)

Sayre, PA-NY (1969), Litchfield, PA-NY (1978)

valley of New York: Albany, N.Y., Empire State Geogram, v. 14, no. 2, p. 2-15. Reynolds, R.J., and Williams, J.H., 1988, Continuous seismic-reflection profiling of glacial drift

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Amherst, University of Massachusetts, unpublished Master's thesis, 147 p. Williams, J.H., Taylor, L.E., and Low, D.J., 1998, Hydrogeology and groundwater quality of the

Geological Survey, 4th series, Water Resources Report 68, 89p.

Association Monograph Series No. 11, p. 83-103.

along the Susquehanna, Chemung, and Chenango Rivers, south-central New York and north-central Pennsylvania, *in* Randall, A.D., and Johnson, A.I. (eds.), Regional aquifer

systems of the United States – the northeast glacial aquifers: American Water Resources

glaciated valleys of Bradford, Tioga, and Potter counties, Pennsylvania: Pennsylvania

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TRACE OF GEOLOGIC SECTION – Geologic sections are depicted on sheet 6.

system in the Waverly-Sayre area.

from Greene's Landing to Milan, Pa.

AQUIFER BOUNDARY – Indicates contact between the stratified drift in the Susquehanna,

· Chemung, and Cayuta Creek valleys and either bedrock or till valley walls, or hills of bedrock and

EROSIONAL SPILLWAY – Denotes the location and areal extent of an erosional spillway that

River valley near Milan, Pa. The spillway has been eroded into the surface of till and till moraine

carried impounded proglacial-lake water around a temporary morainal dam in the Susquehanna

till within the valleys, and therefore indicates the approximate areal extent of the valley-fill aquifer